

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1 1. (Currently Amended) An internet connection system, comprising:
2 ~~for connecting a plurality of terminals, each terminal located in each~~
3 ~~of a plurality of predetermined locations, each terminal arranged to~~
4 ~~generate communications having a location identifier unique to the~~
5 ~~terminal; and to internet accessed by the terminal, wherein:~~
6 a gateway arranged to receive the communications from the
7 terminals and to selectively connect the terminals to the internet, arranged
8 to record a communication band usage for each of the terminals indicating
9 a quantity of communications through the gateway having the unique
10 location identifier of the terminal, and arranged to generate a
11 communication fee data unique to each terminal, the communication fee
12 data based on a ratio of the recorded communication band usage for the
13 terminal to a total of the recorded communication band usage of all of the
14 plurality of terminals
15 ~~each location, in which a terminal in communication is provided, is~~
16 ~~discriminated, the used communication band is recorded for each location,~~
17 ~~and a communication fee is determined based on the used communication~~
18 ~~band recorded for each location.~~

2-6. (Canceled).

- 1 7. (Currently Amended) An internet connection system, comprising
2 wherein:

3 a plurality of gateways, each arranged in a predetermined location,
4 each connected to the internet via an access line associated with the
5 gateway;

6 a at least one terminal located in each of the plurality of
7 predetermined locations, connected to the gateway, each terminal
8 arranged to generate communications having a location identifier unique
9 to the terminal, and

10 a gateway connected to the terminal are provided in each of a
11 plurality of predetermined locations, terminal being connected to the
12 internet via an access line connected to the gateway, and to selectively
13 connect the in each location;

14 wherein the plurality of gateways are arranged to detect a
15 communication load through each of the access lines, are arranged to
16 compare the detected communication band usage and, based on the
17 comparing, to selectively connect the terminals to the internet through the
18 access line having a comparatively lower communication load extent of the
19 access line connected via the gateway is compared for each location, the
20 terminal being connected to internet via the gateway, to which a less
21 communication extent access line is connected; and

22 a charging server connected to the plurality of gateways,
23 arranged to record a communication band usage for each of the
24 terminals reflecting a quantity of communications between each of the
25 terminals and the internet based on the location identifier within the
26 communications, and arranged to generate a communication fee data
27 unique to each terminal, based on a ratio of the recorded
28 communication band usage associated with the terminal to a total of
29 the recorded communication band usage of all of the plurality of
30 terminals

31 ~~locations, in which terminals in communication are provided, is~~
32 ~~discriminated, the used communication band is recorded for each~~
33 ~~location, and a communication fee is computed based on the used~~
34 ~~communication band recorded for each location.~~

8. (Canceled)

1 9. (Currently Amended) An internet system, comprising wherein:
2 a plurality of wireless LAN base stations, each located in a
3 corresponding predetermined location;
4 a at least one wireless terminal located in each of the predetermined
5 locations, each wireless terminal wireless LAN connected to the wireless
6 LAN base station wireless LAN in the same predetermined location and
7 connected to the wireless terminal are provided in each of a plurality of
8 predetermined locations;
9 ~~at least one wireless terminal~~ wireless LAN connected to the
10 wireless LAN base station ~~in an belonging to the afore-said one location is~~
11 ~~provided in a different location adjacent~~ predetermined to the afore-said
12 location, wherein each terminal is arranged to generate communications
13 having a location identifier unique to the terminal; and
14 ~~the wireless terminal is connected to internet via the~~ a gateway
15 connected to the plurality of wireless LAN base stations, the gateway
16 having and an access line connected to the internet, gateway; and
17 wherein the wireless LAN base stations, wireless terminals and
18 gateway are arranged to selectively connectively connect each of the
19 wireless terminals to the internet through a selectable one of the wireless
20 LAN base station to which the wireless terminal is wireless LAN
21 connected, and

22 wherein the gateway is arranged to record a communication band
23 usage for each of the terminals, identifying a quantity of communications
24 between each of the terminals and the internet based on the unique
25 location identifiers with the communications, and is arranged to generate a
26 communication fee data unique to each of the wireless terminals, based on
27 a ratio of the recorded communication band usage for the wireless terminal
28 associated with the data to a total of the recorded communication band
29 usage of all of the wireless terminals

30 ~~locations, in which terminals in communication are provided, is~~
31 ~~discriminated, the used communication band is recorded for each location,~~
32 ~~and a communication fee is computed based on the used communication~~
33 ~~band recorded for each location.~~

1 10. (Currently Amended) An internet connection system, wherein:

2 a plurality of wireless LAN base stations, each located in a
3 corresponding predetermined location;
4 a at least one wireless terminal located in each of the predetermined
5 locations, each wireless terminal wireless LAN connected to a plurality of
6 the wireless LAN base stations, one of the plurality of wireless LAN base
7 stations located in the same predetermined location as the wireless
8 terminal and the other of the plurality of
9 terminal are provided in each of a plurality of predetermined locations;

10 ~~each wireless terminal is also wireless LAN connected to the~~
11 ~~wireless LAN base stations located in a different location other than the~~
12 ~~own location; and~~

13 ~~the wireless LAN base stations belonging to the plurality of~~
14 ~~locations are connected to a common gateway connected to the plurality of~~
15 wireless LAN base stations and having an and connected to internet via an
16 access line connected to the internet gateway; and

17 wherein the wireless LAN base stations, wireless terminals and
18 gateway are arranged to measure a communication speed from each of the
19 wireless terminals to the internet through each of the plurality of wireless
20 LAN base stations to which the wireless terminal is wireless LAN
21 connected, and are arranged to selectively connectively connect the
22 wireless terminals to the internet through the gateway and through the
23 wireless LAN base station of the plurality of wireless LAN base stations
24 having the highest measured communication speed
25 ~~the speed of communication between the wireless terminal in~~
26 ~~communication and the wireless LAN base station belonging to a different~~
27 ~~location wireless LAN connected to the wireless terminal in~~
28 ~~communication, the wireless terminal being connected to internet via a~~
29 ~~wireless LAN base station of a higher measured communication speed, the~~
30 ~~gateway and the access line.~~

1 11. (Currently Amended) An internet connection system, wherein:

2 a plurality of wireless LAN base stations, each located in a
3 corresponding predetermined location;

4 a at least one wireless terminal located in each of the predetermined
5 locations, each wireless terminal wireless LAN connected to a sub-plurality
6 of the wireless LAN base stations, one of the sub-plurality of wireless LAN
7 base stations located in the same predetermined location as the wireless
8 terminal and the other of the sub-plurality of connected to the wireless
9 terminal are provided in each of a plurality of predetermined locations;

10 ~~each wireless terminal is also wireless LAN connected to the~~
11 ~~wireless LAN base stations located in a different location other than the~~
12 ~~own location; and~~

13 ~~the wireless LAN base stations belonging to the plurality of~~
14 ~~locations are connected to a common gateway connected to the plurality of~~

15 wireless LAN base stations, the common gateway having an and connected
16 to internet via an access line connected to the internet, gateway;

17 wherein the wireless LAN base stations, wireless terminals and
18 gateway are arranged to measure a communication speed from each of the
19 wireless terminals to the internet through each of the plurality of wireless
20 LAN base stations to which the wireless terminal is wireless LAN
21 connected, and are arranged to selectively connect the
22 wireless terminals to the internet through the gateway and through the
23 wireless LAN base station of the plurality of wireless LAN base stations
24 having the highest measured communication speed.

25 the speed of communication between the wireless terminal in
26 communication and the wireless LAN base station belonging to a different
27 location wireless LAN connected to the wireless terminal in
28 communication, the wireless terminal being connected to internet via a
29 wireless LAN base station of a higher measured communication speed, the
30 gateway and the access line; and

31 further comprising a charging server, connected to the common gateway,
32 arranged to record a communication band usage for each of the terminals
33 indicating a quantity of communications between the terminal and the
34 internet, based on the unique location identifiers within the
35 communications, and arranged to generate a communication fee data
36 unique to each of the wireless terminals, based on a ratio of the recorded
37 communication band usage for the wireless terminal associated with the
38 data to a total of the recorded communication band usage of all of the
39 wireless terminals

40 locations, in which terminals in communication are provided, is
41 discriminated, the used communication band is recorded for each location,
42 and a communication fee is computed based on the used communication
43 band recorded for each location.

1 12. (Currently Amended) An internet connection system, wherein:

2 a plurality of wireless LAN base stations, each located in a
3 corresponding predetermined location;

4 a ~~at least one~~ wireless terminal located in each of the predetermined
5 locations, each wireless terminal wireless LAN connected to a plurality of
6 the wireless LAN base stations, one of the plurality of wireless LAN base
7 stations located in the same predetermined location as the wireless
8 terminal and the other of the plurality of connected to the wireless
9 terminal are provided in each of a plurality of predetermined locations;
10 each wireless terminal is also wireless LAN connected to the
11 wireless LAN base stations located in a different location other than the
12 own location;

13 wherein each of the wireless LAN base stations is belonging to the
14 plurality of locations are respectively connected to the internet via a
15 corresponding gateway and a corresponding to gateways and connected to
16 internet via an access line connected to the gateway; and

17 wherein the wireless LAN base stations, wireless terminals and
18 gateway are arranged to measure a communication speed from each of the
19 wireless terminals to the internet through each of the plurality of wireless
20 LAN base stations to which the wireless terminal is wireless LAN
21 connected, and are arranged to selectively connectively connect the
22 wireless terminals to the internet through the gateway and through the
23 wireless LAN base station of the plurality of wireless LAN base stations
24 having the highest measured communication speed

25 the speed of communication between the wireless terminal in
26 communication and the wireless LAN base station belonging to a different
27 location wireless LAN connected to the wireless terminal in
28 communication, the wireless terminal being connected to internet via a

wireless LAN base station of a higher measured communication speed, the gateway and the access line.

13. (Currently Amended) An internet connection system, comprising
wherein:

a plurality of wireless LAN base stations, each located in a
corresponding predetermined location;

a at least one wireless terminal located in each of the predetermined
locations, each wireless terminal wireless LAN connected to a sub-plurality
of the wireless LAN base stations, one of the sub-plurality of wireless LAN
base stations located in the same predetermined location as the wireless
terminal and the other of the sub-plurality of connected to the wireless
terminal are provided in each of a plurality of predetermined locations;

each wireless terminal is also wireless LAN connected to the
wireless LAN base stations located in a different location other than the
own location;

wherein each of the wireless LAN base stations is belonging to the
plurality of locations are respectively connected to the internet via a
corresponding gateway and a corresponding to gateways and connected to
internet via an access line connected to the gateway; and

wherein the wireless LAN base stations, wireless terminals and
gateway are arranged to measure a communication speed from each of the
wireless terminals to the internet through each of the sub-plurality of
wireless LAN base stations to which the wireless terminal is wireless LAN
connected, and are arranged to selectively connectively connect the
wireless terminals to the internet through the gateway and through the
wireless LAN base station of the sub-plurality of wireless LAN base
stations having the highest measured communication speed

the speed of communication between the wireless terminal in communication and the wireless LAN base station belonging to a different location wireless LAN connected to the wireless terminal in communication, the wireless terminal being connected to internet via a wireless LAN base station of a higher measured communication speed, the gateway and the access line; and

further comprising a charging server, connected to the common gateway, arranged to record a communication band usage for each of the terminals indicating a quantity of communications between each of the terminals and the internet, based on the unique location identifiers within the communications, and arranged to generate a communication fee data unique to each of the wireless terminals, based on a ratio of the recorded communication band usage for the wireless terminal associated with the data to a total of the recorded communication band usage of all of the wireless terminals

~~locations, in which terminals in communication are provided, is discriminated, the used communication band is recorded for each location, and a communication fee is computed based on the used communication band recorded for each location.~~

14. (Currently Amended) The internet connection system according to claim 1, wherein the gateway and the terminals are arranged to assign a preset maximum communication speed is preset for each location, and are arranged to detect a communication band sum for each location, representing a sum of communications generated by all terminals associated with the location, and are arranged to set, in response to the detected communication band sum exceeding the maximum communication speed, a the communication operation of all of the terminals associated with the location is set to a waiting state when the

10 ~~communication band sum in the location, in which the terminal is~~
11 ~~provided, exceeds the maximum communication speed and is resumed- and~~
12 ~~to resume the communication operation of all of the terminals in the~~
13 ~~location when the detected communication band sum becomes lower than~~
14 ~~the maximum communication speed for the location.~~

1 15. (Currently Amended) The internet communication system according to
2 claim 1, wherein the gateway and the terminals are arranged to assign a
3 quantity of communication bands to each of the predetermined locations,
4 and are arranged to re-assign a quantity of the communication bands
5 assigned to a predetermined location to another of the predetermined
6 locations, and are arranged to generate a use fee data based on said re-
7 assigning a user in one location uses the communication band of a user in
8 a different location, and the user in the afore-said location pays the use fee
9 to the user in the different location.

1 16. (Currently Amended) The internet communication system according to
2 claim 1, wherein each of the terminals are arranged to include a MAC
3 address and to generate communication reflecting the MAC address, and
4 wherein the gateway includes a register to store authorized MAC
5 addresses for each of the predetermined locations, and wherein the
6 gateways is arranged to enable communications between each of the
7 terminals and the internet based on the MAC address of the
8 communicating terminal being one of the stored authorized MAC
9 addresses, and wherein the gateway is arranged to detect and store for
10 each of the predetermined locations wherein a signal permitting only
11 terminals having preliminary registered MAC addresses is outputted, and
12 the MAC addresses, the numbers of the locations, in which the terminals
13 are provided, the total communication extent[[s]] of all the terminals

14 having authorized MAC addresses associated with the location, and to
15 detect and store, for each of the locations, the ratio[[s]] of the total
16 communication extent[[s]] of the terminals having authorized MAC
17 addresses associated with the location to the total communication extent
18 speeds of all the terminals having authorized MAC addresses associated
19 for any of the locations, whereby and the distributions of the ratios are
20 used for fee computation.

1 17. (Original) The internet communication system of claim 1, wherein the
2 locations are rooms.